IN THE CLAIMS:

Please amend claims of record 1 and 22 as follows:

In claim 1. (amended) A method of generating amplified messenger RNAs with polymerase reaction activity, comprising the steps of:

(a) [a.] providing a plurality of messenger RNAs for following steps (b) to (f);

(b) [b.] contacting said messenger RNAs with a plurality of first primer sequences to form a plurality of first-strand complementary DNAs, wherein said first-strand complementary DNAs are generated by reverse transcription of said messenger RNAs with extension of said first primers;

(c) [c.] permitting terminal extension of said first-strand complementary DNAs to form a plurality of polynucleotide-tailed first-strand complementary DNAs, wherein said polynucleotide-tailed first-strand complementary DNAs are tailed by multiple copies of deoxynucleotides;

(d) [d.] incubating denatured said polynucleotide-tailed first-strand complementary DNAs with a plurality of second promoter-containing primers to form a plurality of double-stranded complementary DNAs, wherein said double-stranded complementary DNAs are generated by extension of DNA polymerase activity with said second promoter-containing primers;

(e) [e.] permitting transcription of said double-stranded complementary DNAs to form a plurality of amplified RNAs, wherein said amplified RNAs are generated by extension of RNA polymerase activity through the promoter region of said double-stranded complementary DNAs; and

(f) [f.] contacting said amplified RNAs with said first primer sequences to form a plurality of said polynucleotide-tailed first-strand complementary DNAs, wherein said polynucleotide-tailed first-strand complementary DNAs are generated by reverse transcription of said amplified RNAs with extension of said first primer sequences.

In claim 22. (amended) A method of performing improved messenger RNA amplification, comprising the steps of:

(a) [a.] providing a plurality of messenger RNAs [for following steps (b) to (f)];

(b) [b.] generating a plurality of polynucleotide-ended complementary DNAs from said messenger RNAs, wherein said polynucleotide-ended complementary DNAs are reverse-transcribed from said messenger RNAs and tailed by multiple deoxynucleotides in the ends;

(c) [c.] permitting denatured said polynucleotide-tailed complementary DNAs to form a plurality of double-stranded complementary DNAs, wherein said double-stranded complementary DNAs contain a complementary DNA sequence flanked with an RNA polymerase promoter and a polynucleotide-tail; and

(d) [d.] incubating said double-stranded complementary DNAs in a plurality of promoter- and tail-dependent extension systems, and thereby providing a plurality of amplified RNAs from said messenger RNAs.

REMARKS-General

1. Upon review of the original specification and in light of the observation of the Examiner noted in the above Office Action, the applicant has amended the original filed specification which is deemed to more clearly and distinctly describe the subject matter of the instant invention, and which provides full antecedent basis to the claims. No new matter has been included in the substitute specification.

2. A paper copy and a computer readable copy (a floppy disc) of the "Sequence Listing" of the instant invention are submitted herewith to comply with the requirements of 37CFR1.821 through 1.825, wherein the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37CFR 1.821(e) or 1.821(f) or 1.825(d).

Response to Objection of the Specification